

## EAST Search History

## EAST Search History (Prior Art)

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	3989	integrated with magnetic adj field	US-PGPUB; USPAT	ADJ	ON	2009/09/14 13:24
L2	1641	l1 and ("331"/\$.ccls.   "257"/\$.ccls.   "324"/\$.ccls.   "428"/\$.ccls.   "360"/\$.ccls.)	US-PGPUB; USPAT	ADJ	ON	2009/09/14 13:25
L3	1149	l2 and @ad<"20041224"	US-PGPUB; USPAT	ADJ	ON	2009/09/14 13:27
L4	465	integrated near3 magnetic adj field	US-PGPUB; USPAT	ADJ	ON	2009/09/14 13:27
L5	290	l4 and ("331"/\$.ccls.   "257"/\$.ccls.   "324"/\$.ccls.   "428"/\$.ccls.   "360"/\$.ccls.)	US-PGPUB; USPAT	ADJ	ON	2009/09/14 13:27
L6	5096880	@ad<"20041224"	US-PGPUB; USPAT	ADJ	ON	2009/09/14 13:27
L7	200	l5 and L6	US-PGPUB; USPAT	ADJ	ON	2009/09/14 13:27
L8	52	integrated near3 magnetic adj field near2 generat\$3	US-PGPUB; USPAT	ADJ	ON	2009/09/14 13:38
L9	10226	magnetoresistance or magneto-resistance	US-PGPUB; USPAT	ADJ	ON	2009/09/14 14:08
L10	390	l9 and oscillator	US-PGPUB; USPAT	ADJ	ON	2009/09/14 14:09
L11	268	l10 and l6	US-PGPUB; USPAT	ADJ	ON	2009/09/14 14:10
L12	3	("2005/0023938").URPN.	USPAT	ADJ	ON	2009/09/14 14:19
L13	6	("20050023938"   "20050219771"   "20070236105"   "5134371"   "6166539"   "6183889").PN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/09/14 14:21

L14	0	(10/878387).APP.	USPAT; USOCR	ADJ	ON	2009/09/14 14:21
L15	0	(11/225973).APP.	USPAT; USOCR	ADJ	ON	2009/09/14 14:22
L16	24562	magnetoresistive or magneto-resistive	US-PGPUB; USPAT	ADJ	ON	2009/09/14 14:25
L17	759	l16 and oscillator and l6 not l11	US-PGPUB; USPAT	ADJ	ON	2009/09/14 14:25
L18	36	17 and ("428"/\$.ccls. or "331"/\$.ccls. or "257"/\$.ccls.)	US-PGPUB; USPAT	ADJ	ON	2009/09/14 14:26
L19	51	17 and ("428"/\$.ccls. or "331"/\$.ccls. or "257"/\$.ccls.   "310"/\$.ccls.)	US-PGPUB; USPAT	ADJ	ON	2009/09/14 14:26
L21	0	fixed adj layer and free adj layer and piezoelectric near2 measur\$5 with free adj layer	US-PGPUB; USPAT	ADJ	ON	2009/09/14 16:04
S1	2	((WOUTER) near2 (EYCKMANS)).INV.	US-PGPUB; USPAT	ADJ	ON	2009/09/10 12:20
S2	7	((LIESBET) near2 (LAGAE)).INV.	US-PGPUB; USPAT	ADJ	ON	2009/09/10 12:20
S3	253	331/107SL.ccls.	US-PGPUB; USPAT	ADJ	ON	2009/09/10 13:43
S4	79	S3 and (magnetic\$4 or ferromagnetic\$4 or nanomagnet or magnet or micromagnet)	US-PGPUB; USPAT	ADJ	ON	2009/09/10 13:43
S5	66	331/107R.ccls. and (magnetic\$4 or ferromagnetic\$4 or nanomagnet or magnet or micromagnet)	US-PGPUB; USPAT	ADJ	ON	2009/09/10 13:50
S6	3	("4968954"   "5260615"   "5959388").PN.	US-PGPUB; USPAT	ADJ	ON	2009/09/10 13:57
S7	2172	331/86,89,107DP,107SL,177R,187.ccls.	US-PGPUB; USPAT	ADJ	ON	2009/09/10 14:01
S8	550	S7 and (microwave or micro-wave or millimeter adj wave)	US-PGPUB; USPAT	ADJ	ON	2009/09/10 14:01
S9	2617	331/86,89,107R,107DP,107SL,177R,187.ccls.	US-PGPUB; USPAT	ADJ	ON	2009/09/10 14:01

S10	676	S9 and (microwave or micro-wave or millimeter adj wave)	US-PGPUB; USPAT	ADJ	ON	2009/09/10 14:02
S11	4	S10 and spin near2 (torque or polariz\$5 or polaris\$5)	US-PGPUB; USPAT	ADJ	ON	2009/09/10 14:02
S12	4	S9 and spin near2 (torque or polariz\$5 or polaris\$5)	US-PGPUB; USPAT	ADJ	ON	2009/09/10 14:17
S13	20	"331"/\$.ccls. and spin near2 (torque or polariz\$5 or polaris\$5)	US-PGPUB; USPAT	ADJ	ON	2009/09/10 14:17
S14	16	S13 not S12	US-PGPUB; USPAT	ADJ	ON	2009/09/10 14:17
S15	1093	257/421;324/237.ccls.	US-PGPUB; USPAT	ADJ	ON	2009/09/10 14:25
S16	241	S15 and spin near2 (torque or polariz\$5 or polaris\$5)	US-PGPUB; USPAT	ADJ	ON	2009/09/10 14:25
S17	5096880	@ad<"20041224"	US-PGPUB; USPAT	ADJ	ON	2009/09/10 14:57
S18	113	S16 and S17	US-PGPUB; USPAT	ADJ	ON	2009/09/10 14:57
S19	22	S18 and (frequency or oscillator)	US-PGPUB; USPAT	ADJ	ON	2009/09/10 16:39
S20	1204409	(oscillator or frequency)	EPO; JPO; DERWENT	ADJ	ON	2009/09/10 16:43
S21	104	S20 and spin near2 (torque or polariz\$5 or polaris\$5)	EPO; JPO; DERWENT	ADJ	ON	2009/09/10 16:44
S22	23	S21 and (tun\$5 or interact\$3 or stress or bias\$3)	EPO; JPO; DERWENT	ADJ	ON	2009/09/10 16:44
S23	0	S20 and (free or excitable or magnetic or ferromagnetic) adj layer and (interact\$3 adj layer or (tune\$2 or tuning or stress) adj layer)	EPO; JPO; DERWENT	ADJ	ON	2009/09/10 17:11
S24	20	(free or excitable or magnetic or ferromagnetic) adj layer and (interact\$3 adj layer or (tune\$2 or tuning or stress) adj layer)	EPO; JPO; DERWENT	ADJ	ON	2009/09/10 17:11

S25	3	("20050111145"   "20060222835"   "5695864").PN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/09/10 17:20
S26	3	("20050111145"   "20060222835"   "5695864").PN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/09/11 15:59
S27	0	(11/389066).APP.	USPAT; USOCR	ADJ	ON	2009/09/11 16:00
S28	18	(stress or magnetostatic or exchange adj bias) with (tuned or tuning or tunable or tune) and spin and (oscillator or oscillating)	USPAT; USOCR	ADJ	ON	2009/09/11 19:47
S29	28	(stress or magnetostatic or exchange adj bias) with (tuned or tuning or tunable or tune) and spin and (oscillator or oscillating)	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/09/11 19:47
S30	1	("2007/0285184").URPN.	USPAT	ADJ	ON	2009/09/11 19:48
S31	8	("20040012520"   "20070285184"   "4318061"   "5654641"   "6326856"   "6516187"   "6566872"   "7054088").PN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/09/11 19:49
S32	3822	428/212.ccls.	US-PGPUB; USPAT	ADJ	ON	2009/09/11 19:53

### EAST Search History (Interference)

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